(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 5 February 2004 (05.02.2004)

(10) International Publication Number

(51) International Patent Classification7: A61M 15/00

WO 2004/011068 A1

(21) International Application Number: PCT/EP2003/008149

(74) Agent: THOMPSON, Clive, Beresford; GlaxoSmithKline, Corporate Intellectual Property (CN925.1), 980 Great West Road, Brentford, Middlesex TW8 9GS (GB). (81) Designated States (national): AE, AG, AL, AM, AT, AU,

AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

GM, HR, HU, ID, IL, IN, IS, IP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,

MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,

KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),

Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,

ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,

UG, US, UZ, VC, VN, YU, ZA, ZM, ZW. (84) Designated States (regional): ARIPO patent (GH, GM,

23 July 2003 (23.07.2003) (22) International Filing Date:

English (25) Filing Language:

(26) Publication Language:

English

(30) Priority Data: 0217199.9 0227145.0

25 July 2002 (25.07.2002)

GB 21 November 2002 (21.11.2002)

(71) Applicant (for all designated States except US): GLAXO GROUP LIMITED [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(72) Inventors; and (75) Inventors/Applicants (for US only): BONNEY, Stanley, George [GB/GB]; GlaxoSmithKline, Park Road, Ware,

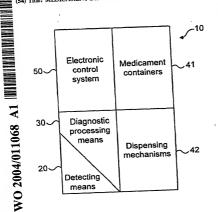
Hertfordshire SG12 0DP (GB). DAVIES, Michael, Birsha [GB/GB]; GlaxoSmithKline, Park Road, Ware, Hertfordshire SG12 0DP (GB).

Published: with international search report

before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

[Continued on next page]

(54) Title: MEDICAMENT DISPENSER



(57) Abstract: There is provided a medicament dispenser device (10) for use in the delivery of a combination medicament product. The dispenser (10) comprises a first medicament container (41) for containing a first medicament component; a first release means (42) for releasing the contents of said first medicament container (41); at least one further medicament container (41) for containing at least one further medicament component; and at least one further release means (42) for releasing the contents of each said at least one further medicament container 41). The first medicament component is kept separate from the at least one further medicament component until the point of release thereof for delivery in combination. The dispenser (10) additionally comprises an electronic control system (50) for controlling the release of contents from the first and at least one further medicament container (41).